|   | Index of Claims App                      |           |               |         |            |          |          |           |           |                 |          |  |              |          | opl                    | dication No. |                          |            |              |           |             |          |           |     | Applicant(s) |            |                  |                 |          |         |           |       |          |                 |          |   |  |    |
|---|--|-----------|---------------|---------|------------|----------|----------|-----------|-----------|-----------------|----------|--|--------------|----------|------------------------|--------------|--------------------------|------------|--------------|-----------|-------------|----------|-----------|-----|--------------|------------|------------------|-----------------|----------|---------|-----------|-------|----------|-----------------|----------|---|--|----|
|   |  | 14814     | <i>""</i><br> |         | ea<br>Hiii | [[] 1]   |          | //a       |           | 73<br>          | E11) (   | 111                                    |              |          |                        |              | 10                       | 10/759,035 |              |           |             |          |           |     |              |            | HSIEH, CHIN-CHIH |                 |          |         |           |       |          |                 |          |   |  |    |
|   |  |           |               |         |            |          |          |           |           |                 |          |  |              |          |                        | ŀ            | Examiner                 |            |              |           |             |          |           |     |              | Art Unit   |                  |                 |          |         |           |       |          |                 | $\dashv$ |   |  |    |
|   |  |           |               |         |            |          |          |           |           |                 |          |  |              |          |                        |              |                          |            |              |           |             |          |           |     |              |            |                  |                 |          |         |           |       |          |                 |          |   |  |    |
|   | 1 18818 14181 16111 16111 1611 1611 1611 |           |               |         |            |          |          |           |           |                 |          |  |              |          |                        |              | Stanley J. Pruchnic, Jr. |            |              |           |             |          |           |     | 2859         |            |                  |                 |          |         |           |       |          |                 |          |   |  |    |
|   |  |           |               |         |            |          |          |           |           |                 |          |  |              |          |                        |              |                          |            |              |           |             |          |           |     |              |            |                  |                 | 1        |         |           |       |          |                 |          |   |  |    |
|   | √ Rejected                               |           |               |         |            |          |          |           |           | (Through numera |          |  |              |          |                        |              | al) N                    |            |              |           | Non-Elected |          |           |     |              |            | Α                |                 | Appeal   |         |           |       |          |                 |          |   |  |    |
|   |  |           |               |         |            |          | Į        | Cancel    |           |                 |          |  |              | ed       |                        |              | -                        |            |              |           |             |          |           | 4   |              |            |                  |                 | _        |         |           |       |          |                 |          |   |  |    |
|   | = Allowed                                |           |               |         |            | ļ        | + Restri |           |           |                 |          |  | icted        |          |                        | 1            | 1                        | Interferen |              |           | се          |          | 0         |     | ОЬј          | ect        | ed               |                 |          |         |           |       |          |                 |          |   |  |    |
|   | L.L                                      |           |               |         |            |          | l        |           |           |                 |          | ······································ |              |          |                        |              | L                        |            |              |           |             |          |           |     |              |            |                  |                 |          |         |           |       |          |                 |          |   |  |    |
| ı | Cla                                      | laim Date |               |         |            |          | _        |           | $\neg$    | ::::            | Cla      | im                                     |              |          |                        |              | Date                     |            |              |           | 7:          | ::::1    | CI        | aim | Ι            | Date       |                  |                 |          |         | $\neg$    |       |          |                 |          |   |  |    |
| İ |  |           | 4             | 3       |            | ٦        | T        |           |           |                 |          |  |              |          | П                      | П            |                          | Ť          | Ī            | Т         | Т           | П        |           |     |              |            | П                | $\top$          | Т        | Ť       | T         | Τ     | Π        | П               |          |   |  |    |
|   | Final                                    | Original  | 120           | 4/12/05 |            | -        |          |           |           | -               |          |  | Final        | Original |                        |              |                          |            |              |           |             | -        |           |     | Final        | Original   |                  |                 |          |         |           |       |          |                 |          |   |  |    |
|   | u.                                       | ŏ         | 12            | 4/1     |            |          |          |           |           |                 |          |  | u.           | ŏ        |                        |              | ı                        |            |              |           |             |          |           |     | u.           | ŏ          |                  |                 |          |         |           |       |          | $  \  $         |          |   |  |    |
|   | $\mathcal{I}$                            | (1)       | V             |         | $\Box$     | $\Box$   |          | $\exists$ |           |                 |          |  |              | 51       |                        |              |                          |            | 二            | 二         |             |          |           |     |              | 101        |                  |                 |          |         | 工         |       |          |                 |          |   |  |    |
|   | 2  | 2         | $\mathbb{H}$  | 닄       | _          | -        | $\dashv$ | -         | 4         | _               | 4        |  |              | 52<br>53 |                        | -            | -                        | +          | -            | +         | 4           | -        | _         |     |              | 102<br>103 | -                | -               | +        | +       | ╀         | +     | L        | Н               |          |   |  |    |
|   | 7  | 3         | Н             | 11      | $\dashv$   | $\dashv$ | ᅱ        | $\dashv$  | $\dashv$  | $\dashv$        | $\dashv$ |  |              | 54       | $\vdash$               | -            | +                        | +          | +            | ╅         | +           | +        | -         |     |              | 103        | Н                | $\dashv$        | ╁        | +       | ╁         | +     | $\vdash$ | Н               |          |   |  |    |
|   | -5-                                      | 5         |               | Ξ       |            |          | 7        |           |           |                 |          |  |              | 55       |                        | 7            | 7                        | +          | 7            | +         | +           | +        | -         |     |              | 105        |                  |                 | +        | +       | T         | +-    | -        | Н               |          |   |  |    |
|   |  | S         |               |         |            |          |          |           |           |                 |          |  |              | 56       |                        |              |                          |            |              |           |             |          |           |     |              | 106        |                  |                 |          |         |           |       |          |                 |          |   |  |    |
|   |  |           | V,            |         |            |          | _        | _         | _         | _               | 4        |  |              | 57       | $\sqcup$               | _            | 4                        | 4          | -            | 4         | 4           | 4        |           |     |              | 107        | $\vdash$         | 4               | +        | 4       | ↓         | ↓_    | <u> </u> | Ш               |          |   |  | 1  |
|   | <u>6</u><br>7.                           | 8         | X             | =       |            | ᅱ        | $\dashv$ | -         | -         | $\dashv$        |          |  |              | 58<br>59 | $\left  \cdot \right $ |              | -                        | +          | $\dashv$     | ┰         | +           | -        |           |     |              | 108<br>109 |                  | +               | ╫        | +-      | +-        | ╁     | -        | H               |          |   |  |    |
|   |  | <b>®</b>  | -             | =       |            | -        | -        | -         |           | -               | -        |  |              | 60       |                        | 7            | 7                        | +          | +            | $\dashv$  | $\dashv$    | +        |           |     |              | 110        |                  |                 | +        | +       | t         | ╁     |          | $\vdash$        |          |   |  |    |
|   | 8  | 11        |               | -2      |            |          |          |           |           |                 |          |  |              | 61       |                        |              |                          |            | 1            |           |             |          |           |     |              | 111        |                  |                 |          |         |           |       |          |                 |          |   |  |    |
|   |  | 12        |               |         |            |          | 4        | _         | _         | _               |          |  |              | 62       | $\square$              | _            | _                        | 4          | 4            | 4         | 4           | 4        | _         |     |              | 112        | <u> </u>         | 1               |          | $\bot$  | ╀         | ╀     | _        | Н               |          |   |  |    |
|   |  | 13        |               | -       |            | -        | -        | -         |           |                 |          |  |              | 63<br>64 | -                      |              | -                        |            |              | +         |             | +        |           |     |              | 113<br>114 | ├                | $\dashv$        | +        | ╁       | ╀         | ╁     | ├-       | Н               |          |   |  |    |
|   |  | 15        |               | Н       | -          | -        | 7        | -         | ┪         | $\neg$          |          |  | <u> </u>     | 65       | H                      | -            | -                        | 7          | 十            | +         | +           | 1        | $\dashv$  |     |              | 115        | <del> </del>     | +               |          | +       | $\dagger$ | +     | $\vdash$ | Н               |          |   |  |    |
|   |  | 16        |               |         |            |          |          |           |           |                 |          |  |              | 66       |                        |              |                          |            |              |           |             |          |           |     |              | 116        |                  |                 |          |         | I         |       |          |                 |          |   |  |    |
|   |  | 17        |               |         |            |          |          |           |           |                 |          |  |              | 67·      |                        | _            | $\dashv$                 | _          | $\downarrow$ | $\perp$   | $\perp$     | 4        | _         |     |              | 117        |                  | _               |          | 4       | 4         | 4_    | ļ        | Ш               |          |   |  |    |
|   |  | 18<br>19  | H             | Н       | $\vdash$   | -        | $\dashv$ | -         | -         | $\dashv$        |          |  | <u> </u>     | 68<br>69 | Н                      | $\dashv$     | -                        | -          | +            | +         | -+          | +        |           |     |              | 118<br>119 | -                | $\vdash$        | ╁        | ╁       | ╀         | ╀     | ⊢        | Н               |          |   |  |    |
|   | _  | 20        | -             |         |            |          | -        | -         | $\dashv$  |                 |          |  | <del> </del> | 70       | Н                      | ᅥ            | $\dashv$                 |            | $\dashv$     | +         | $\dashv$    | 7        | $\dashv$  |     | _            | 120        |                  | $\Box$          | +        | ╅       | $\dagger$ | +     | H        | Н               |          |   |  |    |
|   |  | 21        |               |         |            |          |          |           |           | $\Box$          |          |  |              | 71       |                        |              |                          |            |              |           |             |          |           |     |              | 121        |                  |                 |          |         | I         |       |          |                 |          |   |  |    |
|   |  | 22        | _             | Ц       |            |          | _        | _         |           |                 |          |  |              | 72       |                        | 4            | 4                        | _          | 4            | 4         | 4           | 4        | _         |     |              | 122        | ⊢                | $\vdash \vdash$ | 4        | +       | $\perp$   | ╀     | L        | Ц               |          |   |  | ł  |
|   |  | 23<br>24  | _             | Н       |            |          | -        | -         | -         |                 |          |  |              | 73<br>74 | Н                      | $\dashv$     | $\dashv$                 | +          | +            | +         | +           | $\dashv$ | $\dashv$  |     |              | 123        | ├                | $\vdash$        | ┰        | +       | ╀         | +     | ⊢        | Н               |          |   |  |    |
|   |  | 25        | -             | Н       |            |          | $\dashv$ | -         | $\exists$ | -               |          |  |              | 75       | $\vdash$               | 7            | 1                        | $\dashv$   | $\dashv$     | 7         | $\forall$   | ┪        | $\dashv$  |     |              | 125        | <del> </del>     |                 | 十        | ╅       | ╁         | +     | $\vdash$ | Н               |          |   |  | 1  |
|   |  | 26        |               |         |            |          |          |           |           |                 |          |  |              | 76       |                        |              |                          |            |              | $\Box$    |             |          |           |     |              | 126        |                  |                 |          | $\perp$ |           |       |          |                 |          |   |  | 1  |
|   |  | 27        |               |         | Н          |          | -        | _         |           | _               | _        |  |              | 77       | $\sqcup$               | 4            |                          | $\dashv$   | 4            | $\dashv$  | 4           | 4        | 4         |     |              | 127        | ,                | $\vdash$        | +        | +       | ╂-        | +     | ⊢        | $\vdash \vdash$ |          |   |  |    |
|   |  | 28        | -             | Н       |            |          | $\dashv$ | -         | -         |                 |          |  |              | 78<br>79 | Н                      | $\dashv$     | $\dashv$                 | $\dashv$   | $\dashv$     | $\dashv$  | $\dashv$    | $\dashv$ | -         |     |              | 128        |                  | $\vdash$        | +        | +       | +         | +     | $\vdash$ | H               | •        |   |  |    |
|   |  | 30        |               | Н       | $\dashv$   |          | $\neg$   | $\dashv$  |           | _               | _        |  |              | 80       | Н                      | 7            | 7                        | _          | 7            | 7         | 7           | 7        | _         |     |              | 130        |                  | $\vdash$        | $\dashv$ | +       | +         | †     | <u> </u> | M               | ·        |   |  |    |
|   |  | 31        |               |         |            |          |          |           |           |                 |          |  |              | 81       |                        |              | $\Box$                   |            |              | $\Box$    | $\Box$      |          |           |     |              | 131        | Ľ                |                 | $\perp$  | I       | I         | oxdot |          | П               |          |   |  |    |
|   |  | 32        | Щ             | Ц       | $\dashv$   | $\dashv$ | _        | $\dashv$  | $\dashv$  | 4               | _        |  |              | 82       |                        | _            | -                        | -          | 4            | 4         | -           | 4        | 4         |     |              | 132        |                  | $\vdash \vdash$ | - -      | +       | $\perp$   | +     | Ļ        | $\vdash$        |          |   |  |    |
|   |  | 33<br>34  |               | -       |            |          |          |           |           |                 |          |  |              | 83<br>84 | ┨╾┥                    | -            | -                        | +          | +            | +         | -           | +        |           |     |              | 133        | ╁                | $\vdash$        | ╬        | ╁       | ╁         | ╫     | ├-       | $\vdash$        |          |   |  | 1  |
|   |  | 35        |               | Н       | -          | -        | -        | $\neg$    | _         | ┪               | _        |  | <b></b>      | 85       |                        | 7            | $\dashv$                 | 7          | 寸            | +         | $\dashv$    | $\dashv$ | ╗         |     |              | 135        | 1                | $\vdash$        | +        | 十       | +         | 1     | 1        | М               |          |   |  | 1  |
|   |  | 36        |               |         | Ц          |          |          |           |           |                 |          |  |              | 86       |                        | $\Box$       | $\Box$                   |            |              | $\Box$    | $\Box$      | $\Box$   |           |     |              | 136        |                  | П               | $\perp$  | Ţ       | I         | I     |          | П               |          |   |  |    |
|   |  | 37        |               | Н       | $\dashv$   |          | -        | $\dashv$  | _         |                 |          |  | ļ            | 87       | -                      |              |                          | 4          | 4            | +         | 4           | -        | {         |     |              | 137        | ┼                | -               | +        | - -     | ╀         | +     | -        | $\vdash \vdash$ |          |   |  |    |
|   |  | 38<br>39  | Н             | Н       | -          | -        |          |           |           |                 |          |  |              | 88<br>89 |                        |              | -                        | -          |              | +         | -           | ┈┤       |           |     |              | 138<br>139 | $\vdash$         | $\vdash$        | ╫        | ╅       | +         | +-    | ╁╴       | Н               |          |   |  |    |
| i |  | 40        |               | Н       | П          |          |          | $\neg$    |           | T               |          |  |              | 90       | Н                      | $\exists$    | $\neg$                   | 1          | 7            | 1         | $\dashv$    | ┪        | 7         |     |              | 140        |                  |                 |          |         | $\perp$   | 1     |          |                 |          |   |  |    |
|   |  | 41        |               |         |            |          | $\Box$   |           |           |                 |          |  |              | 91       |                        |              | $\Box$                   |            |              | $\Box$    | $\Box$      |          |           |     |              | 141        |                  |                 | $\perp$  | $\perp$ | T         | L     |          |                 |          |   |  |    |
|   |  | 42<br>43  | H             | Н       |            |          | $\dashv$ | $\dashv$  | -         |                 | _        |  | <u> </u>     | 92<br>93 | $\vdash$               | -            |                          |            | +            | +         |             | $\dashv$ | $\dashv$  |     |              | 142        | -                | ┝╌┼             | +        | +       | +         | +-    | ┼        | $\vdash \vdash$ |          |   |  |    |
|   |  | _44       | -             | Н       |            |          |          | $\exists$ |           |                 |          |  |              | .94      |                        |              | _                        |            | 1            | 1         | _           | _        |           |     |              | -144       |                  |                 | +        |         | +         | +-    | -        |                 |          | - |  | ∤. |
|   |  | 45        |               |         |            |          |          |           |           |                 |          |  |              | 95       | 口                      |              |                          |            | 丁            | 士         | 1           |          |           |     |              | 145        |                  |                 |          | 1       |           |       |          | 口               |          |   |  |    |
|   |  | 46        |               |         |            |          |          |           |           |                 |          |  |              | 96       | $\Box$                 |              | _                        | _          | _[           | $\dashv$  | _           | $\Box$   | $\exists$ |     |              | 146        |                  |                 | $\perp$  | $\perp$ | 1         | ļ     | 1_       |                 | 1        |   |  |    |
|   |  | 47<br>48  | -             | Н       | Н          | $\vdash$ | $\dashv$ | $\dashv$  |           | _               |          |  | <u> </u>     | 97<br>98 | $\vdash$               | -            | $\dashv$                 | $\dashv$   | $\dashv$     | $\dashv$  | +           | $\dashv$ | $\dashv$  |     | <del> </del> | 147<br>148 |                  | ┝╌┼             | +        | +       | +         | +     | +        | Н               |          |   |  | 1  |
|   |  | 49        |               | H       | Н          |          |          |           |           |                 |          |  |              | 99       |                        | $\dashv$     |                          | _          | _            | $\exists$ | _           |          | $\dashv$  |     |              | 149        |                  | -               | +        | +       | 十         | +     | T        | H               |          |   |  | -  |
|   |  | 50        |               |         |            |          |          |           |           |                 |          |  |              | 100      |                        |              |                          |            | $\Box$       |           |             |          |           |     |              | 150        |                  |                 |          |         | Ι         |       |          |                 | j        |   |  |    |